

IN THE SPECIFICATION:

Please replace the paragraph on Page 7, lines 8-23, as follows:

Gas tank 110, as depicted in Figure 1, is coupled in fluid communication to charcoal canister 114 and to the normally closed canister purge valve 115. The charcoal canister 114 is in communication via the normally open canister vent solenoid valve 116 to filter 117. The normally closed canister purge valve 115 is coupled to manifold (intake) 118 of internal combustion engine 119. The illustrated embodiment of the sensor or subsystem 120 according to the present invention incorporates a pressure sensor, temperature sensor and processor, memory and clock, such components all being selectable from suitable, commercially available products. The pressure and temperature sensors are coupled to the processor such that the processor can read their output values. The processor can either include the necessary memory or clock or be coupled to suitable circuits that implement those functions. The output of the sensor, in the form of a temperature-compensated pressure value, as well as the nominal pressure (i.e., P_2), are transmitted to processor 122, where a check is made to determine whether a leak has occurred. That comparison, alternatively, could be made by the processor in sensor 120.